

## JOURNAL

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I.—*Botanico-Agricultural account of the protected Sikh States.* By  
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The extensive territory under the *Ambala* political agency comprises the hill states of *Sirmur*, *Kabulur*, and a portion of the plains principally possessed by Sikh chiefs, bounded by the above states to the north-east, the *Sulej* to the north and north-west, the *Jumna* to the east, and the *Delli* territory and *Bhatiana* to the south.

It is not my intention to treat of the hill Rajpoot principalities, as I am only very partially acquainted with but one of them (*Sirmur*); but solely of the "protected Sikh states" in the plains.

This tract of country may be divided into three great divisions, besides the narrow strip of *Khádír* land adjoining the *Jumna* and *Sutlej* according to their most abundant natural products, viz., the *datk* the *bábi?* and the *phakahi*.

I. The first of these, or *dakh* tract, extends from the high bank above the *Jumna*, which in most places adjoins the *Shah Nahr*; to the *Linda* river, a small stream not noted in the exceedingly inaccurate maps\* of this part of the country, which runs nearly parallel with the *Marikhanda* at a distance of two to five miles from it, and ultimately unites with the *Saraswati* a little below *Thanesar*. This tract of country is generally high and called *bangar*, which term however is more universally applied to the southern extremity, and not commonly to the

\* I allude to the large maps published under the style of 'Trigonometrical survey,' though this part of the country has never been surveyed trigonometrically or otherwise; to give an instance, Kotahia or Syeed ka garhi, is divided into three places, viz. Kotahia or Syeed, and ka garhi!!! at a considerable distance one from the other.

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Meteorological Register, kept at the Assay Office, Culcutta, for the Month of August, 1838.														
Atmosphere 4 P. M.														
Day of the Month.	Atmospheric Pressure.	Thermometer at 32° Fahr.	Wet Bulb at 32° Fahr.	Wet Bulb at 32° Fahr.	Wet Bulb at 32° Fahr.	Wet Bulb at 32° Fahr.	Wet Bulb at 32° Fahr.	Wet Bulb at 32° Fahr.	Wet Bulb at 32° Fahr.	Wet Bulb at 32° Fahr.	Wet Bulb at 32° Fahr.	Wet Bulb at 32° Fahr.	Wet Bulb at 32° Fahr.	Wet Bulb at 32° Fahr.
1	29.50	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
2	29.46	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
3	29.42	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
4	29.38	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
5	29.34	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
6	29.30	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
7	29.26	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
8	29.22	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
9	29.18	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
10	29.14	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
11	29.10	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
12	29.06	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
13	29.02	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
14	28.98	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
15	28.94	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
16	28.90	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
17	28.86	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
18	28.82	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
19	28.78	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
20	28.74	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
21	28.70	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
22	28.66	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
23	28.62	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
24	28.58	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
25	28.54	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
26	28.50	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
27	28.46	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
28	28.42	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
29	28.38	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
30	28.34	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
31	28.30	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
1	29.50	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
2	29.46	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
3	29.42	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
4	29.38	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
5	29.34	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
6	29.30	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
7	29.26	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
8	29.22	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
9	29.18	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
10	29.14	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
11	29.10	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
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13	29.02	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
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9	29.18	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
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11	29.10	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
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13	29.02	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
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15	28.94	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
16	28.90	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
17	28.86	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
18	28.82	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
19	28.78	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
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22	28.66	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
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24	28.58	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
25	28.54	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
26	28.50	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	

## A VOCABULARY OF THE CASHGARI (PROPERLY KASHKARI) LANGUAGE.

## Vocabulary.

Dāk, a boy	Bughā, be gone	Sir, head
Mosāl, a man	Rūpā, get up	Kād, ear
Lesin, a cow	Pād, drink	Ghach, eye
Astor, a horse	Dasā, take	Rukh, heard
Ashpai, a sheep	U'gh, water	Dond, tooth
Unth, a camel	Gomb, wheat	Ege, come here
Chhāni, hair	Gumod, a girl	Hishik, sit down
Pushin, eat	Kuned, a woman	Pjubo, eat
Inch, forehead	Deshawn, a bull	Māth, with, give me
Naskār, nose	Ghot don, an ass	Mashr bā, goggles of
Burūp, eyebrow	Pai, a goat	water
Shup, lip	Postam, wool	Shāpikā, bread
Legin, tongue	Rain, dog	Kurin, rice
Siri, barley	Gharib, poor	Muh, waist
To kin, who are you	Jil, veil	Paz, breast
Chādūr, turban	Obiā, dead	Bām, earth
Phudvāl, trousers	Zūm, mountain	Jind, bedstead
Chhān, take off (imperative)	Ingār, fire	Satāre, stars
Rizwa, thin	Chohistam, I am hungry	Paghid, curis
Pong, foot	Ishgun, shall I eat	Paniyā, night
Shurāk, thigh	Māsam ladath, speak with me	Dashmāndrā, read
Kāwān, belly	Kisht, waistband	Māwāt, country
Gaul, neck	Perāhan, coat	Kosh, shoes
Trisity, thirst	Aujam, put on (imperative)	Jinwāl, born
Kamān, heaven	Chado lut, a fat man	Ult, round
Shid, milk	Husht, hand	Him, snow
Chhō, day	Mujasti, calf of leg	Jin, wood
Dashmān, reading		
Ange, come		
1 y'	4 chod	7 sūt
2 jū	5 pūnj	8 ānsht
3 trū, i	6 chū, i	9 neghan

## A VOCABULARY OF THE TIRHAI DIALECT.

## Introduction.

The Tirhai language is at present confined to 3000 families, who abandoned their own country the district of Tirā on a feud breaking out between the Orakzais and Afridis, and settled in the province of Ningandār. They figured in the religious revolution I am now about to mention.

In the reign of Akber, when Mirza Hasan was Governor of Cabul, a holy man by name Husamoddin Ansdari by caste came from Hindustān, where his forefathers had been left by Timur-lano, to Afghanistan in which country he travelled and preached, and had succeeded in making many converts to the creed of the Shiāhs, to which sect he belonged; when Aknun Darveza whose shrine is now at Peshawar, arose

as his opponent, and as the defender of the orthodox faith of the Sunnis: Husamoddin had obtained the title of Pir Roshan (father light) <sup>in Persian</sup> among his own sect, and that of Pir Tani'k (father darkness) <sup>in Persian</sup> among the Sunnis. Aknun Darveza petitioned the king who gave orders to the governor of Cabul to co-operate with him in exterminating the infidel Shiāhs. These two laid many snares to entrap their opponent, who evaded their pursuit, accompanied by a body of 200 cavalry, by reversing the shoes of their horses. He escaped and his fate is not known; but his three sons were secured and put to death. The labors of Pir Roshan were particularly successful in the district of Tirā, where he had 60,000 disciples; who on the disappearance of their preceptor, returned to their former belief.

## Vocabulary.

Kuzrā, horse	Tsimbar, iron	Main, face
Bhadai, mare	Zyad, brass	Kzi, mouth
Pāl, bread	Postakni, leather	Mās, ment
Wā, water	Parannazar, silver	Nukh, nail
Sinh, river	Luhizar, gold	K'hwit, right
Das, day	Dat, stone	Chap, left
Rāt, night	Achha, eye	Tsak, little
Bir ūth, he-camel	Nash, nose	Brokh, much
Striz ūth, she-camel	Kni, ear	Ogā, shoulder
Biri tsudin, he-goat	Shunda, lip	Mare, neck
Striz tsāl, she-goat	Dunda, tooth	Alakk, side
Ghar, food	Zhiban, tongue	K'har, armpit
Nakar, bad	Bret, mustaches	Rai, thigh
Ghodi, abaso	Pā, leg	Pondi, calf of leg
Bāli, wind	Tat, back	Brich, tree
Nār, fire	Damma, belly	Bhām, earth
Ladā, wood	Hoga, near	Gad, mud
Bresh, pain	Dūr, far	Didi, dust
Tarwāl, sword	P'arann, white	Spagnai, moon
Dāl, shield	Lubi, red	Sār, sun
Golai, bullet	Zyad, yellow	Barsit, ruin
Duch, milk	Kangnam, black	Dhang, smoke
Kuch, butter	Sen, bedstead	Uryuz, cloud
Gadh, clarified butter	Bāl, hair	Zabzabā, earthquake
Ghom, wheat	Sudā, little	Chāwar kand, thunder
Dadi, heard	Glinin, large	Tandr, thunderbolt
Zav, barley	Pan, fat	Padakubār, lightning
Lon, salt	Sām, thin	Nūkh, hoof
Go, bullock	Kathin, short	Kavza, fat
Dien, cow	Driga, tall	Tekai, sabbar
Ghas, grass	T'abar, cloth	Mālach, cotton
Striz, wife	Piran, cont	Pun, wool
Mhah, father	Sathan, trousers	U'z gūti, goat's hair
Mā, mother	Panghni, turban	Zmarui, tiger
Patur, son	Sand, dog	Gūgh, deep
Kumar, daughter	Bholec, cat	Kangana mirch, black
Smz, sister	Māhai, fish	pepper
Bhrā, brother	Khar, donkey	Sām, leek
Kutari, knife		Pyaz, onion

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Meteorological Register, kept at the Assay Office, Calcutta, for the Month of December, 1838.									
Forenoon, 10 A. M.									
Afternoon 4 P. M.									
Month.	Day of the Month.	Atmospheric Pressure.	Therm. at 32° Fahr.	Therm. at 60° Fahr.	Therm. at 80° Fahr.	Therm. at 100° Fahr.	Therm. at 120° Fahr.	Therm. at 140° Fahr.	Therm. at 160° Fahr.
Dec.	1	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	2	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	3	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	4	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	5	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	6	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	7	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	8	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	9	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	10	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	11	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	12	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	13	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	14	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	15	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	16	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	17	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	18	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	19	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	20	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	21	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	22	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	23	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	24	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	25	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	26	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	27	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	28	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	29	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	30	30.021	73.5	73.5	73.5	73.5	73.5	73.5	73.5

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